BioMap and Living Waters

Guiding Land Conservation for Biodiversity in Massachusetts

Core Habitats of Egremont

This report and associated map provide information about important sites for biodiversity conservation in your area.

This information is intended for conservation planning, and is not intended for use in state regulations.

Produced by:

Natural Heritage & Endangered Species Program
Massachusetts Division of Fisheries and Wildlife
Executive Office of Environmental Affairs
Commonwealth of Massachusetts

Produced in 2004

BioMap and Living Waters:
Guiding Land Conservation for Biodiversity in Massachusetts

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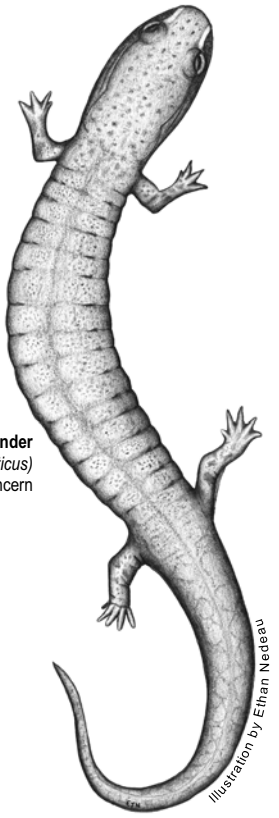
* Depending on the location of Core Habitats, your city or town may not have all of these sections.



Spring Salamander
(Gyrinophilus porphyriticus)
Species of Special Concern

Funding for this project was made available by the Executive Office of Environmental Affairs, contributions to the Natural Heritage & Endangered Species Fund, and through the State Wildlife Grants Program of the US Fish & Wildlife Service.

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For more information on rare species and natural communities, please see our fact sheets online at ***www.nhesp.org***

BioMap and Living Waters:
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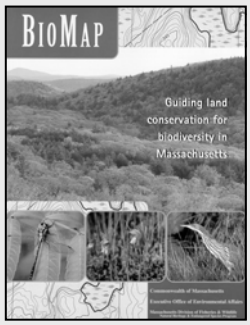
Introduction

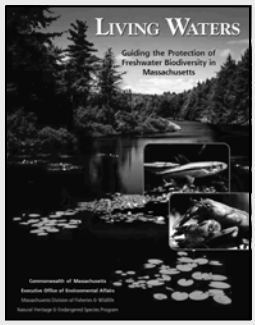
In this report, the Natural Heritage & Endangered Species Program provides you with site-specific biodiversity information for your area. Protecting our biodiversity today will help ensure the full variety of species and natural communities that comprise our native flora and fauna will persist for generatons to come.

The information in this report is the result of two statewide biodiversity conservation planning projects, ***BioMap*** and ***Living Waters***. The goal of the BioMap project, completed in 2001, was to identify and delineate the most important areas for the long-term viability of terrestrial, wetland, and estuarine elements of biodiversity in Massachusetts. The goal of the Living Waters project, completed in 2003, was to identify and delineate the rivers, streams, lakes, and ponds that are important for freshwater biodiversity in the Commonwealth. These two conservation plans are based on documented observations of rare species, natural communities, and exemplary habitats.

What is a Core Habitat?

Both BioMap and Living Waters delineate ***Core Habitats*** that identify the most critical sites for biodiversity conservation across the state. Core Habitats represent habitat for the state's most viable rare plant and animal populations and include exemplary natural communities and aquatic habitats. Core Habitats represent a wide diversity of rare species and natural communities (see Table 1), and these areas are also thought to contain virtually all of the other described species in Massachusetts. Statewide, BioMap Core Habitats encompass 1,380,000 acres of uplands and wetlands, and Living Waters identifies 429 Core Habitats in rivers, streams, lakes, and ponds.





Get your copy of the ***BioMap*** and ***Living Waters*** reports! Contact Natural Heritage at 508-792-7270, Ext. 200 or email natural.heritage@state.ma.us. Posters and detailed technical reports are also available.

Core Habitats and Land Conservation

One of the most effective ways to protect biodiversity for future generations is to protect Core Habitats from adverse human impacts through land conservation. For Living Waters Core Habitats, protection efforts should focus on the ***riparian areas***, the areas of land adjacent to water bodies. A naturally vegetated buffer that extends 330 feet (100 meters) from the water's edge helps to maintain cooler water temperature and to maintain the nutrients, energy, and natural flow of water needed by freshwater species.

In Support of Core Habitats

To further ensure the protection of Core Habitats and Massachusetts' biodiversity in the long-term, the BioMap and Living Waters projects identify two additional areas that help support Core Habitats.

In BioMap, areas shown as ***Supporting Natural Landscape*** provide buffers around the Core Habitats, connectivity between Core Habitats, sufficient space for ecosystems to function, and contiguous undeveloped habitat for common species. Supporting Natural Landscape was

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generated using a Geographic Information Systems (GIS) model, and its exact boundaries are less important than the general areas that it identifies. Supporting Natural Landscape represents potential land protection priorities once Core Habitat protection has been addressed.

In Living Waters, ***Critical Supporting Watersheds*** highlight the immediate portion of the watershed that sustains, or possibly degrades, each freshwater Core Habitat. These areas were also identified using a GIS model. Critical Supporting Watersheds represent developed and undeveloped lands, and can be quite large. Critical Supporting Watersheds can be helpful in land-use planning, and while they are not shown on these maps, they can be viewed in the Living Waters report or downloaded from www.mass.gov/mgis.

Understanding Core Habitat Species, Community, and Habitat Lists

What's in the List?

Included in this report is a list of the species, natural communities, and/or aquatic habitats for each Core Habitat in your city or town. The lists are organized by Core Habitat number.

For the larger Core Habitats that span more than one town, the species and community lists refer to the entire Core Habitat, not just the portion that falls within your city or town. For a list of all the state-listed rare species within your city or town's boundary, whether or not they are in Core Habitat, please see the town rare species lists available at www.nhesp.org.

The list of species and communities within a Core Habitat contains only the species and natural communities that were explicitly included in a given BioMap or Living Waters Core Habitat. Other rare species or examples of other natural communities may fall within the Core Habitat, but for various reasons are not included in the list. For instance, there are a few rare species that are omitted from the list or summary because of their particular sensitivity to the threat of collection. Likewise, the content of many very small Core Habitats are not described in this report or list, often because they contain a single location of a rare plant

Table 1. The number of rare species and types of natural communities explicitly included in the BioMap and Living Waters conservation plans, relative to the total number of native species statewide.

BioMap

	Species and Verified Natural Community Types	
Biodiversity Group	**Included in BioMap**	**Total Statewide**
Vascular Plants	246	1,538
Birds	21	221 breeding species
Reptiles	11	25
Amphibians	6	21
Mammals	4	85
Moths and Butterflies	52	An estimated 2,500 to 3,000
Damselflies and Dragonflies	25	An estimated 165
Beetles	10	An estimated 2,500 to 4,000
Natural Communities	92	> 105 community types

Living Waters

	Species	
Biodiversity Group	**Included in Living Waters**	**Total Statewide**
Aquatic Vascular Plants	23	114
Fishes	11	57
Mussels	7	12
Aquatic Invertebrates	23	An estimated > 2500

species. Some Core Habitats were created for suites of common species, such as forest birds, which are particularly threatened by habitat fragmentation. In these cases, the individual common species are not listed.

What does 'Status' mean?

The Division of Fisheries and Wildlife determines a status category for each rare species listed under the Massachusetts Endangered Species Act, M.G.L. c.131A, and its implementing regulations, 321 CMR 10.00. Rare species are categorized as Endangered, Threatened, or of Special Concern according to the following:

- ***Endangered*** species are in danger of extinction throughout all or a significant portion of their range or are in danger of extirpation from Massachusetts.
- ***Threatened*** species are likely to become Endangered in Massachusetts in the foreseeable future throughout all or a significant portion of their range.
- ***Special Concern*** species have suffered a decline that could threaten the species if allowed to continue unchecked or occur in such small numbers or with such restricted distribution or specialized habitat requirements that they could easily become Threatened in Massachusetts.

In addition, the Natural Heritage & Endangered Species Program maintains an unofficial ***watch list*** of plants that are tracked due to potential conservation interest or concern, but are not regulated under the Massachusetts Endangered Species Act or other laws or regulations. Likewise, described natural communities are not regulated any laws or regulations, but they can help to identify ecologically important areas that are worthy of protection. The status of natural communities reflects the documented number and acreages of each community type in the state:

- ***Critically Imperiled*** communities typically have 5 or fewer documented sites or have very few remaining acres in the state.
- ***Imperiled*** communities typically have 6-20 sites or few remaining acres in the state.
- ***Vulnerable*** communities typically have 21-100 sites or limited acreage across the state.
- ***Secure*** communities typically have over 100 sites or abundant acreage across the state; however excellent examples are identified as Core Habitat to ensure continued protection.

Legal Protection of Biodiversity

BioMap and Living Waters present a powerful vision of what Massachusetts would look like with full protection of the land that supports most of our biodiversity. To create this vision, some populations of state-listed rare species were deemed more likely to survive over the long-term than others.

Regardless of their potential viability, all sites of state-listed species have full legal protection under the Massachusetts Endangered Species Act (M.G.L. c.131A) and its implementing regulations (321 CMR 10.00). Habitat of state-listed wildlife is also protected under the Wetlands Protection Act Regulations (310 CMR 10.37 and 10.59). The ***Massachusetts Natural Heritage Atlas*** shows **Priority Habitats**, which are used for regulation under the Massachusetts Endangered Species Act and Massachusetts Environmental Policy Act (M.G.L. c.30) and **Estimated Habitats**, which are used for regulation of rare wildlife habitat under the Wetlands Protection Act. For more information on rare species regulations, see the *Massachusetts Natural Heritage Atlas*, available from the Natural Heritage & Endangered Species Program in book and CD formats.

BioMap and Living Waters are conservation planning tools and do not, in any way, supplant the Estimated and Priority Habitat Maps which have regulatory significance. Unless and until the combined BioMap and Living Waters vision is fully realized, we must continue to protect all populations of our state-listed species and their habitats through environmental regulation.

Natural Heritage & Endangered Species Program

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Understanding Core Habitat Summaries

Following the BioMap and Living Waters Core Habitat species and community lists, there is a descriptive summary of each Core Habitat that occurs in your city or town. This summary highlights some of the outstanding characteristics of each Core Habitat, and will help you learn more about your city or town's biodiversity. You can find out more information about many of these species and natural communities by looking at specific ***fact sheets*** at www.nhesp.org.

Next Steps

BioMap and Living Waters were created in part to help cities and towns prioritize their land protection efforts. While there are many reasons to conserve land – drinking water protection, recreation, agriculture, aesthetics, and others – BioMap and Living Waters Core Habitats are especially helpful to municipalities seeking to protect the rare species, natural communities, and overall biodiversity within their boundaries. Please use this report and map along with the rare species and community fact sheets to appreciate and understand the biological treasures in your city or town.

Protecting Larger Core Habitats

Core Habitats vary considerably in size. For example, the average BioMap Core Habitat is 800 acres, but Core Habitats can range from less than 10 acres to greater than 100,000 acres. These larger areas reflect the amount of land needed by some animal species for breeding, feeding, nesting, overwintering, and long-term survival. Protecting areas of this size can be very challenging, and requires developing partnerships with neighboring towns.

Prioritizing the protection of certain areas within larger Core Habitats can be accomplished through further consultation with Natural Heritage Program biologists, and through additional field research to identify the most important areas of the Core Habitat.

Additional Information

If you have any questions about this report, or if you need help protecting land for biodiversity in your community, the Natural Heritage & Endangered Species Program staff looks forward to working with you.

Contact the Natural Heritage & Endangered Species Program:

by Phone *508-792-7270, Ext. 200*

by Fax: *508-792-7821*

by Email: *natural.heritage@state.ma.us*.

by Mail: *North Drive*
Westborough, MA 01581

The GIS datalayers of BioMap and Living Waters Core Habitats are available for download from MassGIS: www.mass.gov/mgis

Check out www.nhesp.org for information on:

- Rare species in your town
- Rare species fact sheets
- BioMap and Living Waters projects
- Natural Heritage publications, including:
  - Field guides
  - Natural Heritage Atlas, and more!

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BioMap: Species and Natural Communities

Egremont

Core Habitat BM855

Natural Communities

Common Name	Scientific Name	Status
Acidic Shrub Fen		Vulnerable
Black Ash-Red Maple-Tamarack Calcareous Seepage Swamp		Imperiled
Calcareous Pondshore/Lakeshore		Imperiled
Calcareous Rock Cliff Community		Vulnerable
Calcareous Sloping Fen		Imperiled
Hemlock-Hardwood Swamp		Secure
Hickory - Hop Hornbeam Forest/Woodland		Imperiled
Major-River Floodplain Forest		Imperiled
Northern Hardwoods - Hemlock - White Pine Forest		Secure
Shallow Emergent Marsh		Secure
Shrub Swamp		Secure
Transitional Floodplain Forest		Imperiled
Yellow Oak Dry Calcareous Forest		Imperiled

Plants

Common Name	Scientific Name	Status
A Filmy-Fern	*Trichomanes intricatum*	Endangered
Allegheny Buttercup	*Ranunculus allegheniensis*	Watch Listed
Andrews' Bottle Gentian	*Gentiana andrewsii*	Endangered
Autumn Coralroot	*Corallorhiza odontorhiza*	Special Concern
Barren Strawberry	*Waldsteinia fragarioides*	Special Concern
Black Cohosh	*Cimicifuga racemosa*	Endangered
Bristly Buttercup	*Ranunculus pensylvanicus*	Threatened
Crooked-Stem Aster	*Symphotrichum prenanthoides*	Threatened

BioMap: Species and Natural Communities

Egremont

Culver's-Root	*Veronicastrum virginicum*	Threatened
Davis's Sedge	*Carex davisii*	Endangered
Dioecious Sedge	*Carex sterilis*	Threatened
Downy Arrowwood	*Viburnum rafinesquianum*	Endangered
Drooping Speargrass	*Poa languida*	Endangered
False Pennyroyal	*Trichostema brachiatum*	Endangered
Fen Cuckoo Flower	*Cardamine pratensis var palustris*	Threatened
Fen Sedge	*Carex tetanica*	Special Concern
Foxtail Sedge	*Carex alopecoidea*	Threatened
Frank's Lovegrass	*Eragrostis frankii*	Special Concern
Gattinger's Panic-Grass	*Panicum gattingeri*	Special Concern
Gray's Sedge	*Carex grayi*	Threatened
Great Blue Lobelia	*Lobelia siphilitica*	Endangered
Green Dragon	*Arisaema dracontium*	Threatened
Hairy Agrimony	*Agrimonia pubescens*	Threatened
Hairy Beardtongue	*Penstemon hirsutus*	Endangered
Hairy Wild Rye	*Elymus villosus*	Endangered
Hairy Wood-Mint	*Blephilia hirsuta*	Endangered
Hemlock Parsley	*Conioselinum chinense*	Special Concern
Intermediate Spike-Sedge	*Eleocharis intermedia*	Threatened
Labrador Bedstraw	*Galium labradoricum*	Threatened
Long-Styled Sanicle	*Sanicula odorata*	Threatened
Lyre-Leaved Rock-Cress	*Arabis lyrata*	Endangered
Mossy-Cup Oak	*Quercus macrocarpa*	Special Concern
Narrow-Leaved Spring Beauty	*Claytonia virginica*	Endangered
Narrow-Leaved Vervain	*Verbena simplex*	Endangered
Purple Cress	*Cardamine douglassii*	Endangered
Red Mulberry	*Morus rubra*	Endangered
Sensitive Rare Plant		

Sessile Water-Speedwell	*Veronica catenata*	Endangered
Shining Wedgegrass	*Sphenopholis nitida*	Threatened
Small Dropseed	*Sporobolus neglectus*	Endangered
Small-Flowered Agrimony	*Agrimonia parviflora*	Endangered
Smooth Rock-Cress	*Arabis laevigata*	Threatened
Stiff Gentian	*Gentianella quinquefolia*	Watch Listed
Swamp Birch	*Betula pumila*	Endangered
Sweet Coltsfoot	*Petasites frigidus var palmatus*	Endangered
Tuckerman's Sedge	*Carex tuckermanii*	Endangered
Wapato	*Sagittaria cuneata*	Threatened
Yellow Oak	*Quercus muehlenbergii*	Threatened

Invertebrates

Common Name	Scientific Name	Status
Dion Skipper	*Euphyes dion*	Threatened
Slender Walker	*Pomatiopsis lapidaria*	Endangered

Vertebrates

Common Name	Scientific Name	Status
Bald Eagle	*Haliaeetus leucocephalus*	Endangered
Eastern Box Turtle	*Terrapene carolina*	Special Concern
Four-toed Salamander	*Hemidactylium scutatum*	Special Concern
Jefferson Salamander	*Ambystoma jeffersonianum*	Special Concern
Spotted Turtle	*Clemmys guttata*	Special Concern
Spring Salamander	*Gyrinophilus porphyriticus*	Special Concern
Wood Turtle	*Clemmys insculpta*	Special Concern

Core Habitat BM948

Natural Communities

Common Name	Scientific Name	Status
Calcareous Sloping Fen		Imperiled

BioMap: Species and Natural Communities

Egremont

Plants

Common Name	Scientific Name	Status
Capillary Beak-Sedge	*Rhynchospora capillacea*	Endangered
Dioecious Sedge	*Carex sterilis*	Threatened
Drooping Speargrass	*Poa languida*	Endangered
Fen Cuckoo Flower	*Cardamine pratensis var palustris*	Threatened
Fen Sedge	*Carex tetanica*	Special Concern
Gattinger's Panic-Grass	*Panicum gattingeri*	Special Concern
Handsome Sedge	*Carex formosa*	Threatened
Sensitive Rare Plant		
Slender Cottongrass	*Eriophorum gracile*	Threatened

Invertebrates

Common Name	Scientific Name	Status
Dion Skipper	*Euphyes dion*	Threatened

Vertebrates

Common Name	Scientific Name	Status
Common Moorhen	*Gallinula chloropus*	Special Concern
Jefferson Salamander	*Ambystoma jeffersonianum*	Special Concern
Pied-Billed Grebe	*Podilymbus podiceps*	Endangered
Spotted Turtle	*Clemmys guttata*	Special Concern

Core Habitat BM969

Natural Communities

Common Name	Scientific Name	Status
Acidic Rocky Summit/Rock Outcrop Community		Secure
Calcareous Rock Cliff Community		Vulnerable
Calcareous Talus Forest/Woodland		Vulnerable
Hemlock Ravine Community		Secure

Hickory - Hop Hornbeam Forest/Woodland	Imperiled
Mixed Oak Forest	Secure
Northern Hardwoods - Hemlock - White Pine Forest	Secure
Rich, Mesic Forest Community	Vulnerable
Ridgetop Pitch Pine - Scrub Oak Community	Imperiled

Plants

Common Name	Scientific Name	Status
Allegheny Buttercup	*Ranunculus allegheniensis*	Watch Listed
Autumn Coralroot	*Corallorhiza odontorhiza*	Special Concern
Downy Arrowwood	*Viburnum rafinesquianum*	Endangered
Hairy Agrimony	*Agrimonia pubescens*	Threatened
Lyre-Leaved Rock-Cress	*Arabis lyrata*	Endangered
Michaux's Sandwort	*Minuartia michauxii*	Threatened
Mountain Winterberry	*Ilex montana*	Endangered
Purple Clematis	*Clematis occidentalis*	Special Concern
Rand's Goldenrod	*Solidago simplex spp randii var randii*	Endangered
Red Mulberry	*Morus rubra*	Endangered
Rigid Flax	*Linum medium var texanum*	Threatened
Roundleaf Shadbush	*Amelanchier sanguinea*	Special Concern
Sensitive Rare Plant		
Smooth Rock-Cress	*Arabis laevigata*	Threatened
Stiff Gentian	*Gentianella quinquefolia*	Watch Listed
Tiny-Flowered Buttercup	*Ranunculus micranthus*	Endangered

Invertebrates

Common Name	Scientific Name	Status
Blueberry Sallow	*Apharetra dentata*	----------
Gerhard's Underwing Moth	*Catocala herodias gerhardi*	Special Concern

Vertebrates

Common Name	Scientific Name	Status
Bat Hibernaculum		----------
Jefferson Salamander	*Ambystoma jeffersonianum*	Special Concern
Sensitive Rare Vertebrate		
Spring Salamander	*Gyrinophilus porphyriticus*	Special Concern

Core Habitat BM971

Vertebrates

Common Name	Scientific Name	Status
Jefferson Salamander	*Ambystoma jeffersonianum*	Special Concern

Core Habitat BM972

Plants

Common Name	Scientific Name	Status
Small Site for Rare Plant		

BioMap: Core Habitat Summaries

Egremont

Core Habitat BM855

This is a large, diverse, and valuable Core Habitat that supports a suite of rare plants and animals, as well as natural communities. It encompasses much of the lower Konkapot and Housatonic Rivers, Schenob Brook, and the Green River, as well as East Mountain. These diverse areas contain a wide variety of wetland, upland, and riparian habitats that support several rare species of vertebrates, from Wood Turtles to Bald Eagles. This area also provides key invertebrate habitats for species such as the Dion Skipper butterfly. The many natural communities here include multiple calcareous wetlands, and these unusual calcareous conditions create plant biodiversity hotspots, with over 100 rare plant populations documented from within the Core Habitat. Some sections of the Core Habitat have been preserved as conservation land, including East Mountain State Forest and important areas in Sheffield. However, many other large and critical areas are currently unprotected.

Natural Communities

This very large Core Habitat contains a great diversity of exemplary natural communities ranging from the Major-River Floodplain Forests of the Housatonic River to patches of Yellow Oak Dry Calcareous Forests on dry hillsides underlain with calcareous rock. Calcareous, or nutrient-rich, rock characterizes many of the natural communities within this Core Habitat. Large, mature, and high-quality Black Ash-Red Maple-Tamarack Calcareous Seepage Swamps occur throughout the wetlands in this Core Habitat. These communities are mixed deciduous-coniferous forested swamps occurring in areas where there is calcium-rich groundwater seepage. The nutrient enrichment results in many rare calcium-loving plant species. Also influenced by nutrient-rich groundwater seepage are the many Calcareous Sloping Fens within this Core Habitat. Calcareous Sloping Fens are open, sedge-dominated wetlands occurring on slight to moderate slopes where there is calcareous groundwater seepage. They are rare species "hot spots" with many associated rare plant and animal species.

Plants

This very large Core Habitat contains an abundance of rare plant species adapted to calcareous soils - over 100 rare plant populations! Exemplary populations within this area include a large and pristine population of Swamp Birch in a calcareous peatland, several highly viable populations of Mossy-Cup Oak in calcareous seepage swamps, a very large occurrence of Foxtail Sedge in a floodplain meadow, and the state's largest populations of Autumn Coralroot and Drooping Speargrass.

Invertebrates

In southwestern Sheffield, this Core Habitat includes a pristine area of calcareous fens along the Housatonic River that are habitat for rare invertebrates such as the Dion Skipper butterfly and the Slender Walker snail. Most of this habitat is on conservation land owned by the Nature Conservancy; nevertheless, conservation of the remaining unprotected land in this area is important to increase the amount of contiguous protected habitat and to help ensure the long-term viability of rare species inhabiting the area.

Vertebrates

This is a large and complex Core Habitat that supports a diverse array of rare vertebrate species within a variety of wetland, upland, and riparian habitats. The relatively large and connected riparian areas provide significant habitat for Wood Turtles, and this may be one of the best areas in the state in which to focus conservation efforts for this species. Conservation efforts directed at Wood Turtles should seek to protect long corridors of undeveloped, connected habitats that extend at least 600 yards on both sides of streams and rivers.

In addition, the complexes of wet meadows, shrub swamps, wooded swamps, vernal pools, and upland forests provide significant habitat for Spotted Turtles. Several populations of Jefferson Salamanders are present in areas of deciduous and mixed forests with vernal pools. Wetlands and seeps where sphagnum moss is abundant provide significant habitat for Four-toed Salamanders. High-gradient coldwater brooks and headwater seeps on East Mountain also provide habitat for Spring Salamanders.

Portions of the Housatonic River within this Core Habitat, including forested river banks, are used by wintering Bald Eagles.

Core Habitat BM948

This Core Habitat encompasses a variety of wetland habitats and adjacent upland forests around Marsh Pond and along the lower reaches of Karner Brook, including Mill Pond, in Egremont. These are important habitats for rare, state-protected reptiles, amphibians, marsh birds, and plants. Highlights include several rare sedges growing within an outstanding Calcareous Sloping Fen community, and freshwater marshes that support two of the state's rarest marsh birds. Although some important wetland areas are protected as conservation land, most of the area within this Core Habitat is currently unprotected.

Natural Communities

This Core Habitat contains a large and excellent example of the rare Calcareous Sloping Fen. Calcareous Sloping Fens are open, sedge-dominated wetlands occurring on slight to moderate slopes where there is calcareous groundwater seepage. They are rare species "hot spots" with many associated rare plant and animal species.

Plants

Nine rare plant species have been found in this Core Habitat. Among them is one of only two known populations in the state of the Endangered Capillary Beak-Sedge. Several other rare sedges, such as Dioecious Sedge, Fen Sedge, and Handsome Sedge, also grow in open wetland areas within this Core Habitat.

Invertebrates

This Core Habitat includes Jug End Fen, which provides a relatively large and unfragmented area of habitat for the Dion Skipper butterfly. Of this habitat, about one quarter is protected as conservation land. Conservation of the remaining unprotected Dion Skipper habitat (all of the Core Habitat south of Route 23 and north of Mount Washington Road) is important to increase the amount of contiguous protected habitat and to help ensure the long-term viability of the Dion Skipper and other rare species inhabiting the area.

Vertebrates

Fertile, freshwater marshes at Mill Pond and Marsh Pond provide breeding and migration habitat for two of the rarest species of breeding marsh birds in Massachusetts, the Pied-billed Grebe and the Common Moorhen. A complex of wet meadows, shrub and wooded swamps, seasonal pools, and upland forests provide significant habitat for Spotted Turtles. In addition, the seasonal pools within deciduous or mixed forests provide significant habitat for Jefferson Salamanders.

Core Habitat BM969

This very large Core Habitat in the southwestern corner of Berkshire County encompasses important and relatively unfragmented habitat for rare amphibians, reptiles, moths, and plants within the hilly and mountainous terrain. Here there is a variety of forested and rocky natural communities of excellent quality. Rare species highlights include Gerhard's Underwing moth, Endangered plants such as the Tiny-Flowered Buttercup and the Lyre-Leaved Rock Cress, and extensive habitats for Spring and Jefferson Salamanders. The Core Habitat is also important for other wildlife, including overwintering bats and migrating and breeding birds. Substantial portions of this area are protected as conservation land within Mount Washington State Forest and Mount Everett State Reservation.

Natural Communities

This Core Habitat contains many exemplary rocky communities ranging from the exposed, acidic, dry summits of Mount Everett to some of the best mesic, species-rich, calcareous cliffs in the state. Ridgetop Pitch Pine-Scrub Oak communities of various sizes are found on the ridges and summits of Alander Mountain, Mount Everett, Bash Bish Mountain, Mount Bushnell, and Mount Race. The Ridgetop Pitch Pine-Scrub Oak community occurs on acidic bedrock along mountain ridges, often in a mosaic with an Acidic Rocky Summit community. This fire dependant community is tolerant of extremely severe growing conditions. The rocky communities found here are all embedded within 16,000 acres of minimally fragmented, naturally forested land. The forest itself is diverse: mostly Northern Hardwoods-Hemlock-White Pine Forest with scattered areas of old-growth forest, some high-quality Hickory-Hop Hornbeam Forest/Woodland, and at least one very good Hemlock Ravine community.

Plants

A great diversity of rare plant species is located within this very large Core Habitat. Several of the rare plants here are adapted to the cliffs or rocky outcrops of the Taconic Mountains. For example, Smooth Rock-Cress, Lyre-Leaved Rock Cress, Tiny-Flowered Buttercup, and Rand's Goldenrod all make their home here on exposed rock.

Invertebrates

This Core Habitat includes an area around the summit of Mount Everett that is undeveloped and unfragmented ridgetop pitch pine - scrub oak barrens and heathland habitat for rare moth species, including Gerhard's Underwing moth. The population of Gerhard's Underwing on Mount Everett is the only known population of this species in Massachusetts that is not located on the coastal sandplain. Most of the rare moth habitat on Mount Everett is within the Mount Everett State Reservation; nevertheless, conservation of the remaining unprotected land in this area is important to increase the amount of contiguous protected habitat and help ensure the long-term viability of rare species inhabiting the area.

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Vertebrates

Many miles of coldwater, high-gradient brooks provide significant habitat for Spring Salamanders. Jefferson Salamanders occur where vernal pools are present in mixed or deciduous forests. Extensive rocky woodlands and talus slopes that are relatively inaccessible and largely free from human disturbance provide habitat for rare reptiles. The large areas of forest contained within this Core Habitat provide breeding and migration habitat for many species of forest songbirds and other landbirds characteristic of Berkshire County. This Core Habitat also encompasses forest habitat around the entrance to a bat overwintering site.

Core Habitat BM971

Vertebrates

This relatively small Core Habitat encompasses mixed forest and small isolated wetlands that provide significant habitat for Jefferson Salamanders. It is located near the base of an eastern slope of the Taconic Range in Egremont, and is bordered on the north and east by roads.

Core Habitat LW265

Plants

Common Name	Scientific Name	Status
Flat Water-meal	*Wolffia borealis*	Watch Listed
Hill's Pondweed	*Potamogeton hillii*	Special Concern

Living Waters: Core Habitat Summaries

Egremont

Core Habitat LW265

Hill's Pondweed, a globally rare plant species, grows in the shallow hard waters of Mill Pond and Karner Brook. Native freshwater plants like Hill's Pondweed are an important component of aquatic ecosystems, providing habitat and nutrition for fishes and invertebrates, and adding oxygen to the water through photosynthesis.

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To learn more about the Natural Heritage & Endangered Species Program and the Commonwealth's rare species, visit our web site at: www.nhesp.org.